

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1319120

Luminaire Tested: LDSQA3D09R409835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319120  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R409835DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

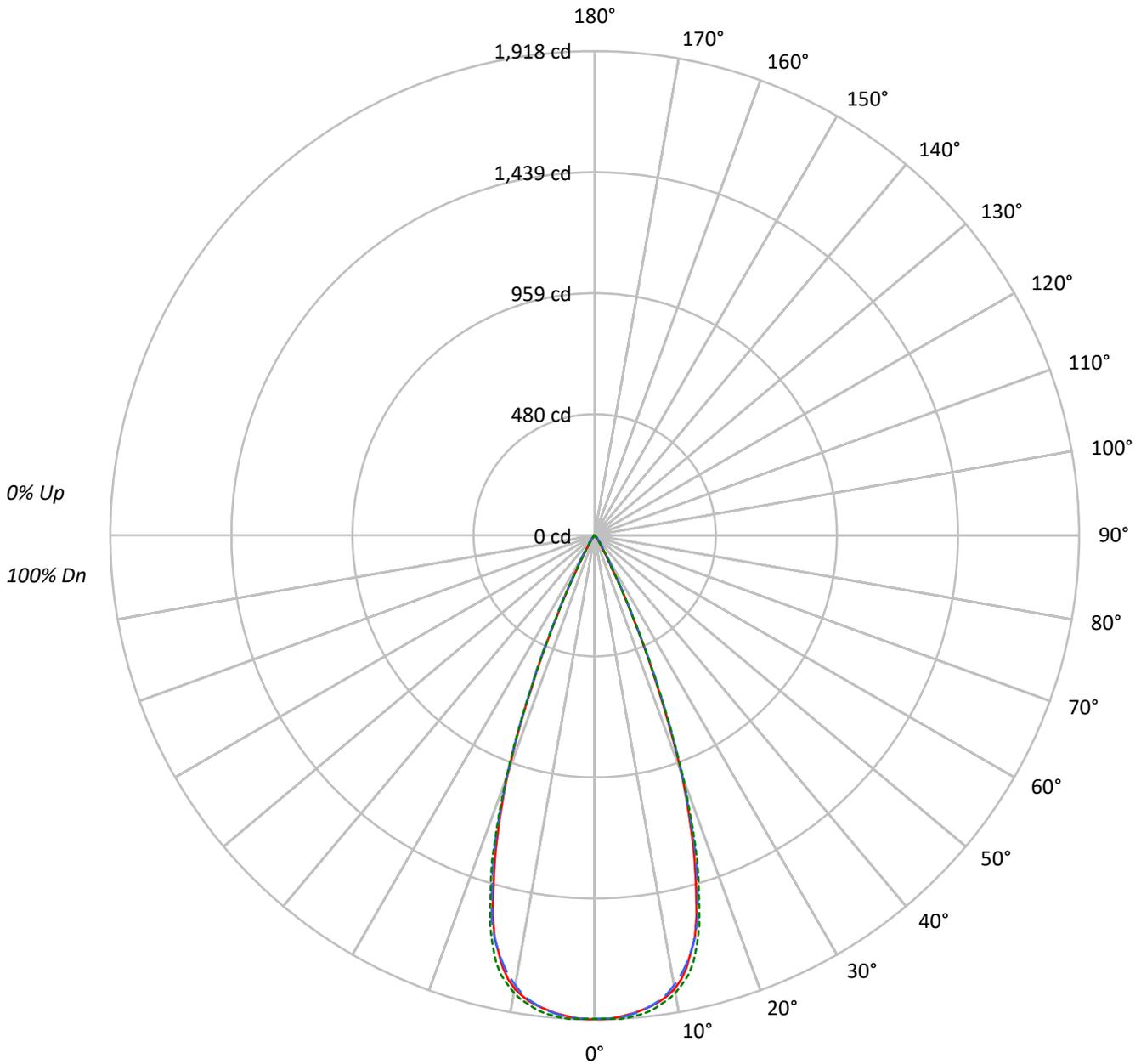
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 811.0 lumens  
Efficiency: N/A  
Efficacy: 73.7 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - - - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	330013	330013	330013
5°	327833	328317	330098
10°	318945	316549	321848
15°	277895	280748	285116
20°	185108	186043	187821
25°	67307	69360	67630
30°	14298	19171	14298
35°	5046	8515	4794
40°	1799	2698	1799
45°	414	1120	414
50°	295	455	295
55°	330	330	330
60°	379	379	379
65°	245	448	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1120 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.1	22.1
10°-20°	417.3	51.5
20°-30°	187.8	23.2
30°-40°	21.4	2.6
40°-50°	3.1	0.4
50°-60°	1.0	0.1
60°-70°	0.9	0.1
70°-80°	0.6	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	784.1	96.7
0°-40°	805.5	99.3
0°-60°	809.6	99.8
0°-90°	811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	811.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1916	1916	1916	1916	1916	
5°	1896	1894	1899	1908	1909	179
15°	1559	1563	1575	1587	1599	414
25°	354	356	365	365	356	183
35°	24	27	40	26	23	18
45°	2	3	5	3	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1916.2	1916.2	1916.2	1916.2	1916.2
1°	1917.4	1915.7	1915.1	1918.5	1915.7
2°	1915.7	1914.5	1915.1	1918.5	1916.2
3°	1910.5	1911.1	1912.8	1919.1	1918.5
4°	1904.2	1903.7	1907.1	1915.1	1915.1
5°	1896.3	1894.0	1899.1	1907.7	1909.4
6°	1887.1	1884.3	1888.3	1899.1	1903.1
7°	1876.9	1871.2	1874.6	1887.7	1892.8
8°	1863.2	1855.8	1859.8	1872.9	1876.9
9°	1846.1	1834.7	1838.1	1854.1	1862.0
10°	1823.8	1809.6	1810.1	1827.8	1840.4
11°	1792.5	1776.5	1777.1	1799.3	1812.4
12°	1750.8	1736.6	1739.4	1760.0	1781.1
13°	1694.4	1690.4	1693.8	1716.0	1735.4
14°	1639.6	1635.6	1641.9	1662.4	1671.6
15°	1558.6	1562.6	1574.6	1587.2	1599.1
17.5°	1302.0	1317.4	1331.7	1340.2	1350.5
20°	1010.0	992.3	1015.1	1004.9	1024.8
22.5°	651.9	665.0	670.7	665.0	667.3
25°	354.2	356.4	365.0	365.0	355.9
27.5°	150.6	162.5	173.4	169.4	150.6
30°	71.9	82.7	96.4	83.3	71.9
32.5°	40.5	47.9	62.2	46.8	39.4
35°	24.0	26.8	40.5	25.7	22.8
37.5°	14.3	14.8	22.2	15.4	13.7
40°	8.0	9.7	12.0	9.7	8.0
42.5°	4.0	5.7	7.4	5.7	4.0
45°	1.7	2.9	4.6	2.9	1.7
47.5°	1.7	1.7	2.9	1.7	1.7
50°	1.1	1.1	1.7	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	0.6	1.1	1.1	1.1	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)